To: Fagen, Elizabeth[Fagen.Elizabeth@epa.gov]; Wall, Dan[wall.dan@epa.gov]
From: Newhart, Gary
Sent: Wed 9/16/2015 3:15:33 PM
Subject: Fw: Cost Estimate for River Water Upset - Early Warning sensors
Early Warning Stations.odt

From: Matlock, Dennis
Sent: Thursday, August 27, 2015 7:28 PM
To: Newhart, Gary
Subject: Fw: Cost Estimate for River Water Upset - Early Warning sensors

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From: Newhart, Gary
Sent: Thursday, August 27, 2015 3:49 PM
To: Matlock, Dennis
Cc: Newhart, Gary
Subject: Cost Estimate for River Water Upset - Early Warning sensors

Attached is a cost estimate for eight (8) early warning, non-contact real-time reporting, stream flow river level stations, to be installed along the upper Animas River at locations above and extending below the mine water release site.These stations will be connected to cellular or satellite communications links in order to provide real time information on rapid rises in river levels along critical reaches and tributaries to the Animas River.

One Teledyne ISCO model 6712 Full-Size Portable Water Sampler was also included in the estimate, to be stationed at one of the hydraulically up-gradient river water monitoring stations. This sampler would be equipped with a pH probe, which would act as a trigger of an early warning message to collect Animas River water downstream to evaluate the concentration of contaminants in the river water.

CBI/Ex. 4

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